

WHAT IS CLAIMED IS:

1. A quality inspection apparatus for a double-sided printing machine comprising:

a printing unit for printing opposite faces of a sheet-like material;

ink supply means for supplying ink to said printing unit, said ink supply means being supported to be brought into contact with and separated from said printing unit; and

transport means for transporting said sheet-like material from said printing unit to a delivery unit while holding said sheet-like material, wherein

said transport means includes a first delivery chain passing through a lower side of said ink supply means, a plurality of transport cylinders for transporting said sheet-like material from said first delivery chain, and a second delivery chain for transporting said sheet-like material from said plurality of transport cylinders;

said plurality of transport cylinders include at least first and second transport cylinders; and

said quality inspection apparatus comprises:

first detection means for detecting a status of printing on one face of said sheet-like material when said sheet-like material is transported by said first transport cylinder; and

second detection means for detecting a status of printing on the other face of said sheet-like material when said sheet-like material is transported by said second transport cylinder.

2. A quality inspection apparatus for a double-sided printing machine according to claim 1, wherein said plurality of transport cylinders are arranged in zigzag fashion along a vertical direction.

3. A quality inspection apparatus for a double-sided printing machine according to claim 1, wherein each of said first and second transport cylinders is a suction cylinder.

4. A quality inspection apparatus for a double-sided printing machine according to claim 1, wherein first drying means is provided on the upstream side, with respect to the transport direction, of a detection position at which said first detection means detects said sheet-like material held by said first transport cylinder, and second drying means is provided on the upstream side, with respect to the transport direction, of a detection position at which said second detection means detects said sheet-like material held by said second transport cylinder.

5. A quality inspection apparatus for a double-sided printing machine according to claim 4, wherein said first drying means is disposed to face said first transport cylinder, and said second drying means is disposed to face said second transport cylinder.